

The rising STAR of Texas



Project Description

Business / Customer Needs

- Add a design to a featureless hole at Landa Park's Mini Golf Course.
- Reflect culture and heritage of New Braunfels.
- Require little to no maintenance for the next 25 years.
- > Ensure safety for all ages.
- Have a hole-in-one opportunity.

Hole 17/Layout

> Ordinary straight hole with a slight incline.

> Hole widens at the start of the incline



House and Snake will be painted with spray-paint and painted details. ➢ Will have 10-12

flower domes.

M2.03 – Sustainable Heritage in Landa Park Miniature Golf

Project Manager: Leilani Vital Group Members: Robert Bomar, Christopher Alaga, Matthew Sanchez Sponsor: New Braunfels Parks and Recreation, direct contact is Ylda Capriccioso.

Metal Pre-Cut



House Pre-Paint



Final Design / Process Lindheimer Home

- Replica of his home, the user has an option to go through or around.
- Steel walls, cut using plasma cutter, welded together.
- > Installed using tabs on sides and screws in ground.
- Designed to prevent golf balls from being trapped inside the house.
- > Designed to have low maintenance.
- > Provides iconic historical reference.

Final Lindheimer Home



- Colors selected to best match colors on the real house
- Details added to make the house more identifiable

Flower Garden Resins/installation

- > Flowers discovered by Lindheimer.
- Dried and faux flowers encapsulated in UV resistant resin.
- Encapsulated concrete expansion studs for installation using 3D printed Jigs.
- Morning Glory, Mimosa, and Pink Guara.





Elaphe Obsoleta Lindheimeri

➤ Discovered the Texas rat snake and named after him

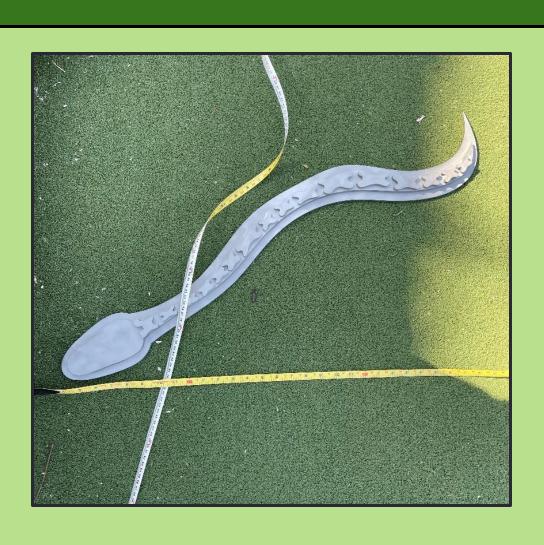
► Plasma Cut layered snake.

> Layers welded together.

➤ Holes drilled for installation.

CAD Model for Snake Layers

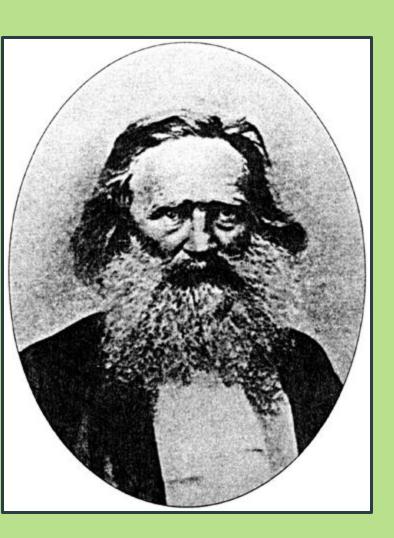


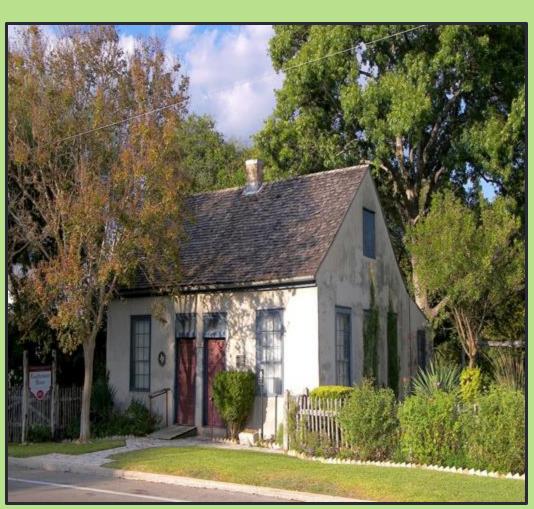


Painted Rat Snake



Historical Significance





Who was Ferdinand Lindheimer?

- \succ Known as the father of Texas Botany.
- ➤ Gathered over 1200 species of plants in Texas.
- ➤ Prickly Pear, White Guava, and Texas Rat Snake.
- > Aided in importing Italian black bees to pollinate the area.
- Edited and printed the German newspaper, the Neu Braunfelser Zeitung.
- ➤ Original home still stands in New Braunfels.

Contributions to Botany







- > Examples of specimen he discovered and collected.
- \succ Flowers are an example of some used in garden.